

# **CHARGE CLINICAL AND TRANSLATIONAL SCIENCES**

- Facilitate the transformation into a new academic discipline
- Promote training and career pathways
- Comprehensive integration and expansion to foster research
- Improve intra- and inter-institutional collaborations

# NIH ROADMAP

- Requires knitting together disciplinary homes
  - Methodology (Biostatistics, epidemiology, health services research, et al.)
  - Biomedical informatics
  - Clinical research centers
  - Health care practice

# INFORMATICS

- Integrative discipline
- Facilitates communication by translating discipline-specific jargon and data
- Generates new knowledge (biomedical informatics as a basic science)
- Enables high quality, efficient, compliant, affordable research operations
- Fundamental to new vision of multidisciplinary research

# RECOMMENDATIONS

- Informatics is essential for connecting individual homes into a community for clinical and translational science
- Information model must
  - Incremental
  - Allow early wins
  - Flexibility
  - Federated or distributed, standards-based
- NIH should adopt standards for both intra and extramural programs

# RECOMMENDATIONS

- National leadership on
  - Governance and privacy regarding inter-institutional data sharing
  - Incentive use of data interchange standards
  - Aligned incentives to share data
- Central resource to provide tools and shared resources, including open source (NCBI may be a model)
- Tools for all members of clinical and translational research community
  - Informatics training for selected members

# AHC ACTIONS

- Strategic institutional informatics vision and governance: research and clinical
- Intra and inter-institutional collaboration
- Clinical informatics infrastructure: EMR, clinical decision support, outcome repositories
- Research informatics infrastructure
  - Biomedical informatics consultative core
  - Data aggregation and visualization tools
- Clinical/Translational/Integration Unit
  - Informatics, statistics, epi, health services research